

Naomi Zimmerman

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,244
citations

430754

18
h-index

552653

26
g-index

36
all docs

36
docs citations

36
times ranked

1611
citing authors

#	ARTICLE	IF	CITATIONS
1	A machine learning calibration model using random forests to improve sensor performance for lower-cost air quality monitoring. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 291-313.	1.2	312
2	Development of a general calibration model and long-term performance evaluation of low-cost sensors for air pollutant gas monitoring. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 903-920.	1.2	102
3	Light-absorbing properties of ambient black carbon and brown carbon from fossil fuel and biomass burning sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6619-6633.	1.2	98
4	Methane Emissions from Natural Gas Production Sites in the United States: Data Synthesis and National Estimate. <i>Environmental Science & Technology</i> , 2018, 52, 12915-12925.	4.6	83
5	Field Measurements of Gasoline Direct Injection Emission Factors: Spatial and Seasonal Variability. <i>Environmental Science & Technology</i> , 2016, 50, 2035-2043.	4.6	59
6	Plume-based analysis of vehicle fleet air pollutant emissions and the contribution from high emitters. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 3263-3275.	1.2	55
7	Quantifying high-resolution spatial variations and local source impacts of urban ultrafine particle concentrations. <i>Science of the Total Environment</i> , 2019, 655, 473-481.	3.9	54
8	Comparison of three nanoparticle sizing instruments: The influence of particle morphology. <i>Atmospheric Environment</i> , 2014, 86, 140-147.	1.9	52
9	Spatially dense air pollutant sampling: Implications of spatial variability on the representativeness of stationary air pollutant monitors. <i>Atmospheric Environment: X</i> , 2019, 2, 100012.	0.8	48
10	Assessing the Climate Trade-Offs of Gasoline Direct Injection Engines. <i>Environmental Science & Technology</i> , 2016, 50, 8385-8392.	4.6	45
11	A source-independent empirical correction procedure for the fast mobility and engine exhaust particle sizers. <i>Atmospheric Environment</i> , 2015, 100, 178-184.	1.9	40
12	Spatial Modeling of Daily PM _{2.5} , NO ₂ , and CO Concentrations Measured by a Low-Cost Sensor Network: Comparison of Linear, Machine Learning, and Hybrid Land Use Models. <i>Environmental Science & Technology</i> , 2021, 55, 8631-8641.	4.6	37
13	Real-World Emission of Particles from Vehicles: Volatility and the Effects of Ambient Temperature. <i>Environmental Science & Technology</i> , 2017, 51, 4081-4090.	4.6	34
14	Real world vehicle fleet emission factors: Seasonal and diurnal variations in traffic related air pollutants. <i>Atmospheric Environment</i> , 2018, 184, 77-86.	1.9	34
15	Reduced Ultrafine Particle Concentration in Urban Air: Changes in Nucleation and Anthropogenic Emissions. <i>Environmental Science & Technology</i> , 2018, 52, 6798-6806.	4.6	29
16	Tutorial: Guidelines for implementing low-cost sensor networks for aerosol monitoring. <i>Journal of Aerosol Science</i> , 2022, 159, 105872.	1.8	28
17	Air quality and greenhouse gas implications of autonomous vehicles in Vancouver, Canada. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 90, 102676.	3.2	25
18	Murine precision-cut lung slices exhibit acute responses following exposure to gasoline direct injection engine emissions. <i>Science of the Total Environment</i> , 2016, 568, 1102-1109.	3.9	23

#	ARTICLE	IF	CITATIONS
19	Improving Correlations between Land Use and Air Pollutant Concentrations Using Wavelet Analysis: Insights from a Low-cost Sensor Network. <i>Aerosol and Air Quality Research</i> , 2020, 20, 314-328.	0.9	16
20	Using Low-Cost Sensors to Assess Fine Particulate Matter Infiltration (PM _{2.5}) during a Wildfire Smoke Episode at a Large Inpatient Healthcare Facility. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9811.	1.2	14
21	Fleet-based vehicle emission factors using low-cost sensors: Case study in parking garages. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 91, 102635.	3.2	10
22	Spatial variations in urban air pollution: impacts of diesel bus traffic and restaurant cooking at small scales. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 2059-2072.	1.5	9
23	Comparison of Airway Responses Induced in a Mouse Model by the Gas and Particulate Fractions of Gasoline Direct Injection Engine Exhaust. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 429.	1.2	6
24	Cannabis Cultivation Facilities: A Review of Their Air Quality Impacts from the Occupational to Community Scale. <i>Environmental Science & Technology</i> , 2022, 56, 2880-2896.	4.6	6
25	Elucidating the community health impacts of odours using citizen science and mobile monitoring. <i>Environmental Health Review</i> , 2021, 64, 24-27.	0.7	5
26	Carbonaceous aerosol sampling of gasoline direct injection engine exhaust with an integrated organic gas and particle sampler. <i>Science of the Total Environment</i> , 2019, 652, 1261-1269.	3.9	4
27	Spatially-Resolved Thermal Degradation Induced Temperature Pattern Changes along a Commercial Lean NO _x Trap Catalyst. <i>SAE International Journal of Fuels and Lubricants</i> , 2010, 3, 723-732.	0.2	1
28	Impact of Spatiotemporal Factors on Exposure to PM _{2.5} as Residents move between Residential, Commercial and Recreational areas. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0